Inference at $*$ 1
 of proof for Lemma eq_int_eq_true_intro:

1. $i : \mathbb{Z}$
2. $j : \mathbb{Z}$
3. $i = j$

$\vdash (i =_0 j) = \mathrm{tt}$

```
  by RW bool_to_propC 0
THEN (Auto_aux (first_nat 1:n) ((first_nat 1:n),(first_nat 3:n
    )) (first_tok :t) inil_term)

    .
```